

WHAT IS CLAIMED IS:

1. A cooling system for a vehicle having a low voltage DC electric supply and an engine, the cooling system comprising:
 - a) a compressor driven by the engine;
 - b) a condenser connected to the compressor;
 - c) an evaporator connected to the condenser and the compressor;
 - d) a DC to AC inverter connected to the low voltage DC electric supply;
 - e) a first AC powered fan connected to the AC output of the inverter for cooling the condenser; and
 - f) a second AC powered fan connected to the AC output of the inverter for circulating air through the evaporator and the space being cooled.
2. The cooling system according to claim 1, in which the inverter is capable of providing a variable frequency output, and the first AC powered fan has a motor whose speed is related to the frequency of the AC power for temperature regulation.